We claim:

1. A crystalline choline ascorbate

2. A crystalline choline ascorbate as claimed in claim 1 in the form of crystals free from water of crystallization.

3. A crystalline choline ascorbate as claimed in either of claims 1 or 2, wherein the diffraction lines at d = 3.80 Å and 4.55 Å are most intense in the range between 3.40 and 4.70 Å in the 2 Θ X-ray powder diffractogram

4. A crystalline choline ascorbate as claimed in claim 3, wherein the intensity ratio of the diffraction lines at d = 3.80 Å and d = 4.55 Å is at least 0.5.

5. A crystalline choline ascorbate as claimed in claim 3, wherein the intensity ratio of the diffraction lines at d = 3.80 Å and d = 4.67 Å is at least 0.4.

6. A process for preparing crystalline choline ascorbate by reacting ascorbic acid with trimethylamine and ethylene oxide, which comprises carrying out the reaction in the temperature range from -10°C to 40°C.

7. A process as claimed in claim 6, wherein the reaction is carried out in a water-miscible organic solvent.

8. A process as claimed in claim 7, wherein choline ascorbate is crystallized in the solvent used for the reaction.

9. A choline ascorbate obtainable by a process defined according to one of claims 6 to 8.

10. The use of choline ascorbate defined according to one of claims 1 or 9 for producing drugs.

11. The use of choline ascorbate defined according to one of claims 1 or 9 as additive in foods, animal feeds, or as a component in food supplements.